RAS 4966

October 22, 2002

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

Before the Atomic Safety and Licensing Board

In the Matter of	)	
	)	
PRIVATE FUEL STORAGE L.L.C.	)	Docket No. 72-22-ISFSI
	)	
(Private Fuel Storage Facility)	)	

ERRATA TO APPLICANT'S REPLY TO THE PROPOSED FINDINGS OF FACT AND CONCLUSIONS OF LAW OF THE STATE OF UTAH AND THE NRC STAFF ON UNIFIED CONSOLIDATED CONTENTION UTAH L/QQ

In reviewing its "Applicant's Reply to the Proposed Findings of Fact and Conclusions of Law of the State of Utah and the NRC Staff on Unified Consolidated Contention Utah L/QQ" ("Applicant's Reply") Applicant Private Fuel Storage, L.L.C. ("Applicant" or "PFS") has identified a number of typographical, grammatical and punctuation errors in the filed document that escaped notice in our effort to meet the October 16, 2002 deadline. Accordingly, PFS is submitting hereby an errata sheet to Applicant's Reply to correct those errors that affect the comprehension or readability of

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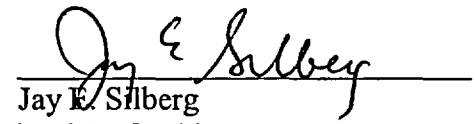
the document. It is not the intent of this errata sheet to identify and correct every minor spelling, grammatical or punctuation error.

Respectfully submitted,



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In the Matter of	)	
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PRIVATE FUEL STORAGE L.L.C.	)	Docket No. 72-22
	)	
(Private Fuel Storage Facility)	)	ASLBP No. 97-732-02-ISFSI

CERTIFICATE OF SERVICE

I hereby certify that copies of the "Errata to Applicant's Reply to the Proposed Findings of Fact and Conclusions of Law of the State of Utah and the NRC Staff on Unified Consolidated Contention Utah L/QQ" were served on the persons listed below (unless otherwise noted) by e-mail with conforming copies by U.S. mail, first class, postage prepaid, this 22th day of October, 2002.

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Errata Sheet for Applicant's Reply to the Proposed Findings of Fact and Conclusions of Law of the State of Utah and the NRC Staff on Unified Consolidated Contention Utah L/QQ (Seismic)

Pg	Para.	Ln	Correction
14		2	Throughout its ~~reply~~proposed findings
19		6-7	(deferring to the "~~board~~broad discretion"
19		8	While we are ~~ware~~aware of no case law
19		22	10 C.F.R. § ~~52.12(a)(2)(ii)~~50.12(a)(2)(ii).
22		5	PFS must ~~slow~~show
31		2	cannot be relied upon to make findings of fact because
31		Fn. 26, Ln 5-6	This further underscores that, where the State
41		10	(spacing and density of boreholes under ~~Section~~Reg. Guide 1.132 ~~of NUREG 0800~~).
41		11	State's position, the ~~position. The~~ State treats
41		23-25	~~Blake, need to add footnote at end of section on State's reference to hearsay evidence on about page 13 of their findings. Look at what we said in Utah K and write a brief footnote.]~~
47	R14	Ln 1 w/in ¶R14	With respect ~~of~~to not having previously worked
48	R15	1-2	he received his ~~analysis~~inputs characterizing
61	R46	Ln 7 w/in R46	~~Any~~If a comparison must be drawn, it will lead
101		Fn. 79, Ln 9	See Section ~~III~~II, supra.
109		Ln 4 on pg. 109	~~See State Exh. 173.~~
110	R138	Fn. 88, Ln 3	State ~~Exh.~~F. ¶ 195.
113		Fn. 90, Ln 2	in its analysis ~~(this claim is discussed below)~~, but
139	R200	Ln 1 on pg. 139	ground accelerations for the ~~pads~~soil cement with building
148	R220	Ln 6 w/in R220	State's proposed findings ~~is~~ that Drs. Singh

Pg	Para.	Ln	Correction
150	R224	Fn. 114, Ln 3	As discussed in Section IV.D the State raised certain issues challenging the ~~manner in which Holtec applied the formula in ASCE 4-86~~assumption of pad rigidity underlying the choice of soil springs and dampers. State F. ¶ 190.
150	R225	Fn. 116, Ln 1	"[i]n an attempt to thwart the State's criticisms
156	R234	Fn 125, Ln 3-4	See also State of Utah's Request for Consideration
162	R247	Ln 4 w/in ¶R247	which remained stored in the computer so that it could be retrieved from the computer.
163	R247	Fn. 135, Ln 1	Dr. Soler did not know the "inner workings
166	R253	16-18 on pg. 166	referenced various authoritative sources in their testimony. ~~[Add citations.]~~ See, e.g., Tr. 9617-19, 9622-23 (Singh); Tr. 9628-29 (Soler). Dr. Khan did not exhibit any similar knowledge. ~~[Add citations.]~~ See, e.g., Tr. 9382 (Khan).
172	R264	Ln 1-2 w/in ¶R264	cask on the pad can change ~~with the contact stiffness changes~~ without the contact stiffness properties changing occurs when
177	R274	Ln 12-13 w/in ¶R274	and can be ~~compared~~ computed using simple formulae.
180	R279	Ln 7-8 w/in ¶R279	damping for a safe shutdown ~~earthquakes~~ earthquake than for an operating basis earthquake~~earthquakes and~~ because energy
180	R279	Ln 11 w/in ¶R279	whatsoever to suggest that Dr. Singh
184	R287	Fn. 158, Ln 6-7	still providing a safety ~~of~~ factor greater than
185	R288	1-2 on pg. 185	percent damping (see note ~~*** infra~~ 152 supra), approximately a
185	R288	3 on pg. 185	percent reduction ~~from~~for damping from the
186	R290	Ln 1-2 on pg. 186	~~stiffness of 40 million pound per inch used as the base value in the Holtec~~ sensitivity analysis
186	R291	Ln 1	The State also requests the Board to discount Dr. Soler's
189	R296	Ln 2 w/in ¶R296	maximum angle of rotation for a HI-STORM 100
193	R302	Ln 5-6 w/in ¶R302	reasonable and accurate. ~~Sections IV.G.8.~~See Section IV.F.8, supra. Moreover, the Holtec
195	R304	Fn 161, Ln 6 on pg. 195	Tr. 7982-83 (Cornell); Tr. ***7407-08 (Ostadan), which the State

212	R340	Ln 11 w/in ¶R340	behavior (Staff Exh. P at 7—), not modeling soil
215	R345	Ln 4-5 ¶R345	in connection with State F. ¶ 256. ~~T~~this reference to
218	R351	Fn 187, Ln 11-12	the ground excitations will go to the pad and the cask,
219	R354	Ln 6-7 w/in ¶R354	Tr. 10347 (Bartlett). ~~As~~ Dr. Luk testified that
221	R357	Ln 8-9, w/in ¶R357	should exhibit even less sliding than that predicted by Sandia
221	R358	Ln 2-3 w/in ¶R358	the intent of the PFS seismic design, which is not to allow the pads to slide
226	R366	Fn 192, Ln 6-7	run a real time history through and see the effective [sic] of that." Tr. 11702~~1~~ (Bartlett).
229	R371	Ln 1 on pg. 229	~~While reporting~~ It reports the results for the "base case" 2,000-year DBE
229	R372	Ln 6 w/in¶R372	for cask 1 on the two base cases and for cask 1
229	R372	Ln 13-14 w/in ¶R372	displacement on the various runs shows that the
229	R372	Ln 15 w/in ¶R372	the sensitivity studies show that despite the wider
230	R373	Ln 1-2 w/in ¶R373	multiple analyses with different numbers of casks
230	R374	Ln 1 w/in ¶R374	In ~~State~~ State F. ¶ 445 the State summarizes ~~the~~ its numerous assertions
234	R383	Fn. 199, Ln 2	of their design. See PFS F.***255-256, 434.
237	R391	Ln 5 w/in ¶R391	the exemption that ~~which~~ are not currently part
240	R396	Ln 14 w/in ¶R396	NRC to INEEL ~~(emphasis added)~~. The design
241	R399	Ln 7 w/in ¶R399	Staff cannot rely on its claim ~~of~~ that the Geomatrix PSHA
248		Ln 18-19	**(2) Probability of Failure (Response to State Findings **510-511)**
249		Ln 8	**(3) Storage Casks (Response to State Findings ***512-520)**
250	R413	Ln 3	Cornell Dir. at A52. ~~(Cornell).~~
255	R420	Fn. 215, Ln 3	PFS Exh. 86C at —15-16 and App. C,

255	R420	Fn. 215, Ln 6	Geomatrix's development of soil properties. Tr. 7514-15, 7574 (Ostadan). Further, how
256	R421	Ln 6	See, e.g., State Exh. ~~205~~204; Tr. 10112-13(Arabasz).
256	R422	Ln 4-5 w/in ¶R422	corresponding target performance goal and the associated DBE MAPE.
257	R423	Ln 1-2 w/in ¶R423	Dr. Cornell's opinion that, "'given the decades of NRC's
257	R423	Ln 4 w/in R423	any SSC designed to their SRPs,'" ~~[sic]~~ [and] a similar range of risk
261	R429	Ln 6-7 w/in ¶R429	code acceptance criteria. Tr. 9121, 10048, 10150 ~~***~~ (Arabasz), Tr. 12808*** (Barlett) Tr.~~,~~ 12961-62*** (Cornell).
263-264	R435	Ln 4-5 w/in ¶435	A formal calculation. See State. ¶ ~~528~~518. However, if anything,
267	R441	Ln 1-2 on pg. 267	see also Tr. 9149-50 (Arabasz); Tr. *** 12814 (Bartlett).
269	R445	Ln 10-12 w/in ¶R445	regardless of the design basis level. Tr. 7916-17 (Cornell); see also note 225, infra., The safety margin itself is the difference between capacity and the DBE, and is not a fixed, absolute number.
271	R448	Ln 18 w/in ¶R448	as support for why $1x10^{-4}$ ~~for the PFSF~~ is an appropriate performance goal
276		Ln 2 on pg. 276	As discussed in Section ~~IV.E~~IV.F,
277		Ln 4 w/in ¶459	discussed in Section ~~IV.F~~IV.G above
279		Fn. 231, Ln 4	even if the bottom of ~~a row of~~ a casks faced an OCA boundary. Tr. ~~12062~~12061-63 (Redmond).
281	R466	Ln 8-9 w/in ¶R466	As discussed immediately below in ~~Section ____, supra,~~ 10 C.F.R. § 72.106(b)
283	R471	Ln 3-4 w/in ¶R471	A change in the design basis ~~establishes the design basis~~ just means that all applicable regulations
295	R490	Ln 1 on pg. 295	present Contention L/QQ, nor does it involve
295	R491	Ln 2 w/in ¶R491	cannot be considered to be the end of an accident. State F. ¶ 569.
300	R501	Ln 5-6 w/in ¶R501	tipover in the event of a beyond-design basis accident.
301	R502	Ln 8-9 w/in R502	for any postulated beyond-design-basis event

301	R503	Ln 3-4 w/in ¶R503	least three different ways ~~inw hich~~ in which the PFS exemption request
304		Ln 2 on pg. 304	conclusions of laws that ~~re~~are based on its proposed

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